

Meeting Description: Michigan Geographic Framework Users Meeting

Date: September 1, 2005

Time: 10:00 a.m.

Location: Michigan Center for Geographic Information, George W. Romney Building,
10th Floor, Conference Room

- I. Approval of minutes
- II. Geographic Framework Program
 - A. Framework Activities Update
 - B. Digital Ortho Update
 - C. NHD Update

Krisanne McConnell, Center For Geographic Information (CGI) we are doing the normal editing updates. We are still on feature lock-down, so we are doing attribute updates. Also started a PR (Physical Reference Numbers) posting project. We are doing referencing for the Michigan Department of Transportation (MDOT) rail. We have started on that with pilot for one county. We are hoping to move forward on that soon after we open up our lock-down. We met with the Census Bureau yesterday to discuss a coordinated effort. They are looking to the state to name a mapping authority for their boundary annexations, etc. The down loadable Framework shape files are coming out, probably Tuesday. They will get posted to the Geo Data Library site. The detailed metadata will not be up yet. It may take a couple of weeks. The metadata that is being done is quite a bit more extensive.

Question- what does the rail update entail?

We are posting PR's on all of the active rail in Michigan, so that they can integrate it in with the rest of the referencing. It should be in the next version. It is only the active rail. There are no spurs, no yards, nothing that extensive. MDOT is going through and defining what they want PR'ed on a case-by-case basis.

Joyce Newell (MDOT) they have also checked with all of the companies to check on the rails that have been terminated, especially in the cities.

Everett Root (CGI) we did try to identify the inactive rail features. I don't think they will be in the shape file delivery, but they are still in Framework because they are potential trails. The rails to trails folks were interested in enhancing their mapping using the information. And it is a possibility that the inactive rails may become active again.

Question – If you are looking at the roads and highways and want to know where the railroad crossings are, do you store it with the roads or do you overlay the railroads at the time that you need it?

Everett (CGI) the rail is topologically integrated into the Framework coverage. There is a node there with the NI (National Inventory) numbers in Version 5. Those have been assigned and reviewed. The shape files are separate. You would have to load both layers

in to review where the rail crosses the road. You can go to the MDOT bridge database for additional information.

B. Digital Ortho Update

Everett (CGI) I wasn't able to talk to the gentlemen who is coordinating some of our Imagery partnerships this morning to get a status. One of the updates is the USGS (United States Geological Survey) has come up with some more funds for this year.

Charley Hickman (USGS) earlier in the year we did the SEMCOG (Southeast Michigan Council of Government) funding. It was around \$150,000. We had some more funding to do some counties. We did the Lansing area and Grand Rapids. There was a whole list of counties that wanted state and federal funds to help with their Ortho program. We had \$175,000 for that, but the state needed more because they had more counties signed up for it, so we were able to add \$98,000 more to it, which brought it up to \$273,000 from our side. This was matched with state funds. Next year the budget will be tighter and so we are not sure if we are going to be able to help the next year in the Michigan cycle with the 5-year program, so that no county would be older than 5 years.

Everett (CGI) there are some counties wanting to fly next year that have already contacted us. Two of them are Grand Traverse and Genesee.

Ann Burns (SEMCOG) we took delivery of our pilot data last month and had a meeting with the QC (Quality Control) committee, which basically entails one person from each partner who will be QC-ing the native 6-inch true color. At that meeting, they identified any errors or questions that we had of the pilot imagery. Earthdata, the vendor was at that meeting. At the end of the meeting they all agreed on what they could work on to fix any error that we saw. We are continuing to work with Earthdata on getting a few more deliverables, such as documentation from them on how they created the Mr SID files. We are still on track to take delivery of the native 6-inch, by the end of the year for QC-ing purposes. There will be full coverage for Quality control and it will be delivered county by county.

Everett (CGI) just as an update, we did get Barry and Allegan counties, the 2004 imagery in and have reprojected that. We did make a MrSID for a township. We are running a couple of test on different compressions. Barry County has 225 images for a township. It took about 45 minutes to compress it into a mosaic. We will get a few of those made and take a look at it. We should have something ready in the next week or two.

C. NHD update

Everett (CGI) as reported last meeting we did get some additional fiscal year 2005 funding from the USGS. We have allocated that to an additional six watersheds. We have updated our status map on-line. We are finishing out Grand River all the way up to Grand Rapids and some more areas around Saginaw. The priority list that was pulled together came from the Fisheries Division and approved by the USGS.

III. MDNR Projects and Activities

Sherm Hollander, Michigan Department of Natural Resources (MDNR) I would like to go back to the Ortho's, and the status on the NAIP (National Agriculture Inventory Program) coverage, which was provided by the United States Department of Agriculture (USDA). It looks like the state is about $\frac{3}{4}$ done as far as acquiring the imagery. Most of the Upper Peninsula is done and most of the West half of the Lower Peninsula is done.

IV. MDOT Projects and Activities

Joyce Newell, Michigan Department of Transportation (MDOT) the data collection teams are out doing the Asset Management data collection. Actually it is the local areas that are collecting the data. We have been doing a little of the ground truthing of the Framework by taking the Global Position System (GPS) units out and testing to see if the center of the intersections line up. They have done the area around Lansing with the intent of going around the state as we have time. We are trying to get a handle on the accuracy of the Framework overall. We are also working with the Metropolitan Planning Organizations (MPO's) and regions in setting up local traffic count programs. Where we would make sure every segment of the Federal aid eligible road has an Annual Average Daily Traffic (AADT) that is count based and that is more recent than the 1982 Needs Study that we have been using. We have to get information out to the MPO's and regions in the form of maps and data files and then we have a workshop coming up in November to try to define the segments that they feel like are the uniform traffic segments, and then the count locations to go with those. Then they will specify who will be responsible for getting the counts and what year to do those in.

V. MDEQ Projects and Activities

Dale Bridgford, Michigan Department of Environmental Quality (MDEQ) we are updating our hazardous waste facilities, the landfills and all of the closed and abandoned landfills as well as areas where dredging are to be restricted, such as where they are dredging up part of a river for a dock or a pier.

John Esch (MDEQ) we are also working on the Aquifer Map project with the USGS on sub-surface geological water well data. This will be an Internet mapping application. The web site address is <http://gwmap.rsgis.msu.edu>. There is a county partnership on Imagery that the MDEQ is coming on board with. And in another month or two, everyone at MDEQ will be having Map Image Viewer installed on their computers. This will be done by MSU. We were having problems with data storage. We also just finished re-mapping all of our clean-up sites. There are 2000+ sites. We were using old data from 10 years ago. All of that information is now available on our web page. They are called the Part 201 Clean-up sites (groundwater sites).

VI. MSP Projects and Activities

No representative present.

VII. MDCH Projects and Activities

No representative present.

VIII. MSI Projects and Activities

No representative present

IX. CGI Projects and Activities

Everett Root (CGI) I will elaborate on the Census Bureau meeting. We had geographers here yesterday. Three were from Washington and one from Jeffersonville, Indiana, to talk about a digital exchange partnership. One of the major issues was to make the State the point of contact for the boundary and annexation information. As of right now, the Census Bureau sends maps to local units of government. They draw the boundary changes on there, then send them back and those get incorporated into the TIGER (Topologically Integrated Geographic Encoding and Referencing) Files. We sent in two counties worth of Framework boundaries and we have some significant difference in some areas. So, what they would like to do is work on a pilot to let the local units of government know that the state is the point of contact for their annexation boundary changes. We also talked about the TIGER improvement program and all but 10 or 11 counties have been through that now.

Gordon Rector (Census) the Census Bureau has now gone to a twice a year release of their public TIGER Version and the second release called 2004 Version 2 has just come out. I got a list of the counties across the country that were newly aligned since the 2004 Version 1 came out and there are 23 additional Michigan counties on it, which brings us up to all but the 10 or 11 counties to do. When we produce those maps nationwide, Michigan is looking pretty complete. There are very few states in the country that look that good. This is the process that is done by the Harris Corporation and ends in 2008.

Everett (CGI) we also discussed school district boundaries. They have a real need for the school district boundary updates. They sent us some information and we will be looking at what we can do. We are looking at what changes we have received. The changes should be reflected in the file they sent us. We also included staff from the State Boundary Commission and the Department of State, Office of the Great Seal. They are the departments that have the legal oversight of the annexation process. When an annexation takes place, they are the ones who review the paperwork, make sure everything is in order, make sure the legal description of the new property is accurate, that it is described correctly and then they file it. They are the keepers of all of that information. Right now it is a paper process. We are also on the list to receive all of that information when it becomes official and then we map it. They informed us that we are 1 of about 5 states in the country where they have been able to identify an agency that has

that responsibility. Most states don't have a state oversight of the boundary and annexation process, they use the counties.

Gordon (Census) it would be a real advantage to the Bureau to be able to work with just one agency in the state. All of the paper maps go to and fro from our Jeffersonville, Indiana office. As we get closer to the 2010 Census, more and more local governments are asked to tell us whether we have their boundary correct or not. Once the Census data is tabulated that determines how many people are in each municipality, and how much money they get. If we can come up here to CGI once a year and get the most accurate boundaries and know that what we are getting is legally good, then that is a big advantage to us.

X. MSU Remote Sensing and GIS Research and Outreach Services Projects and Activities

No representative present

XI. County/Local Projects and Activities

No representative present

XII. Regional Projects and Activities

Ann Burns, Southeast Michigan Council of Governments (SEMCOG) our next Southeast Michigan GIS User Group meeting is September 15, 2005. Tom Dewitt from ESRI (Environmental Systems Research Institute) will be coming in to speak on SDE (Spatial Database Engine) and Raster data. We are also migrating our data to the Geo database with SDE and Oracle.

XIII. Federal Projects and Activities

Charley Hickman, United States Geological Survey (USGS) passed out handouts – Geospatial One-Stop, Version 2 and the Geodata.gov home page information. ESRI has been involved with that. It has some new capabilities.

The new liaison position for Michigan is now posted. The announcement has been made. There is a closing date, probably in a matter of a couple of weeks. They will be putting someone in Lansing to do my job. We are doing more with Ortho's and NHD money. 2005 has been a good year. In 2006 the budget doesn't look as well. There will be cutbacks in payroll and 3 or 4 of the mapping centers will be closed.

There are a number of conferences coming up – MICAMP (Michigan County Association of Mapping Professionals) is September 21-23, 2005, the NSGIC (National State Geographic Information Council) in Rochester, NY. The Mid-West Arc User Group Conference, in Bloomington, Indiana, October 4-7, 2005. It covers 15 states in the Mid-west. There is an AAG (American Association of Geographers), Eastlake's Meeting in Bowling Green State University, October 21-22, 2005. The last meeting is the GIS for Transportation Conference, March 27-29, 2006 in Columbus, Ohio. It is

sponsored by ASHTO and URISA (Urban and Regional Information Systems Association) and the state Department of Transportation.

XIV. Other issues

XV. Next Meeting Date

October 6, 2005, 10 a.m. until 12 p.m., Michigan Center for Geographic Information,
George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48933